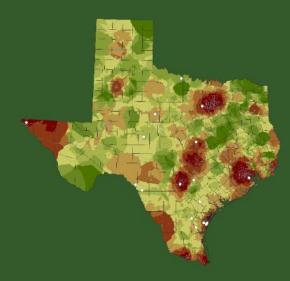






Military Encroachment & Wind Energy Study Update

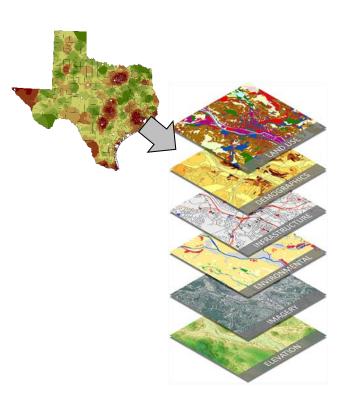


28 January 2019

Tony Parisi
Captain, CEC, USN (Retired)
Project Technical Lead

Agenda

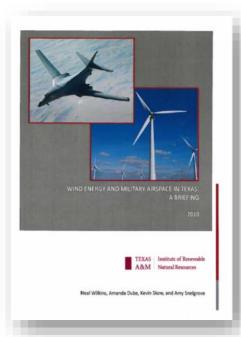
- Background
- Project Description
- Efforts to Date
- Next Steps





Texas Mapping Assessment Project (TxMAP)

- Wind Energy and Military Airspace in Texas (2010 Report)
 - Data for siting wind energy development
 - Impacts to military in Texas
- TxMAP update report + other encroachment threats
 - Gather geospatial Information, wind/energy focused
 - Develop web-based mapping portal for industry-military-community use
 - Facilitate partnerships & early engagement via "good map"





Project Goal

Identify present and future incompatible land use activities that may limit the military's test and training mission, with an emphasis on wind energy development

Current Plan

 Develop/update tools that facilitate early engagement among industry, military and community stakeholders

We are not identifying exclusion areas or producing Red-Yellow-Green maps



Efforts to Data

- Established Military Core Group
 - Representatives from cross section of military organizations
- Engaged stakeholders
 - NOV meeting with military representatives
 - NOV meeting with wind industry
 - JAN webinars with community stakeholders
- Acquired GIS & other data
- Received Recommendations on criteria to be used
 - More coming
- Developing web tool
- Preparing preliminary maps

Stakeholder engagement will continue

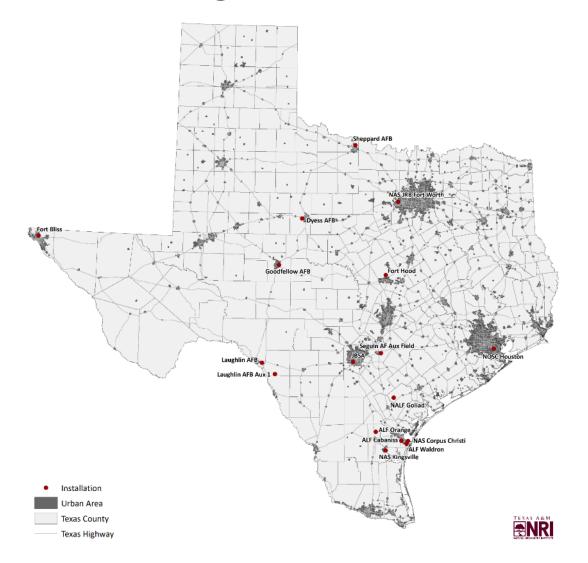


What Criteria Should be Used?

- Floors of Special Use Airspace & Military Training Routes?
 - ≤1,500 ft AGL, ≤3,000 ft AGL?
- Buffer around installations?
 - 25 nm, dependent on installation mission?
- Buffers around radars?
 - 25 nm, 40 nm, use line-of-sight?
- Existing restrictions on Military Training Routes?
- Other?
 - Drop Zones, Helicopter OPAREAS?

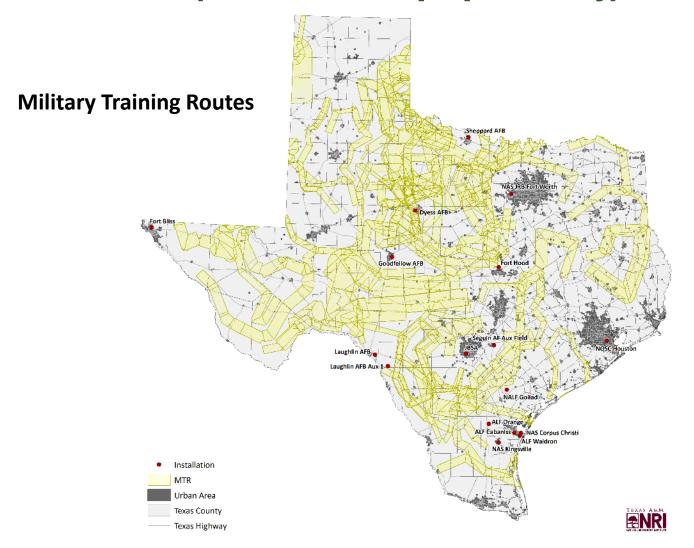


Military Installations



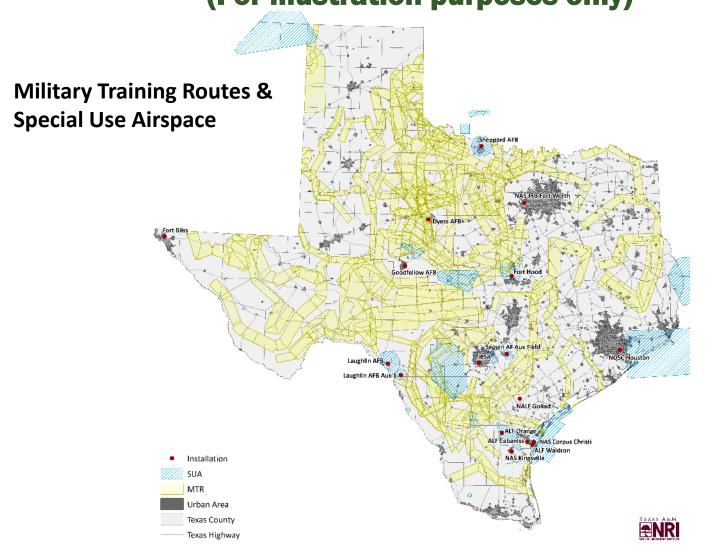


Notional Map (For illustration purposes only)





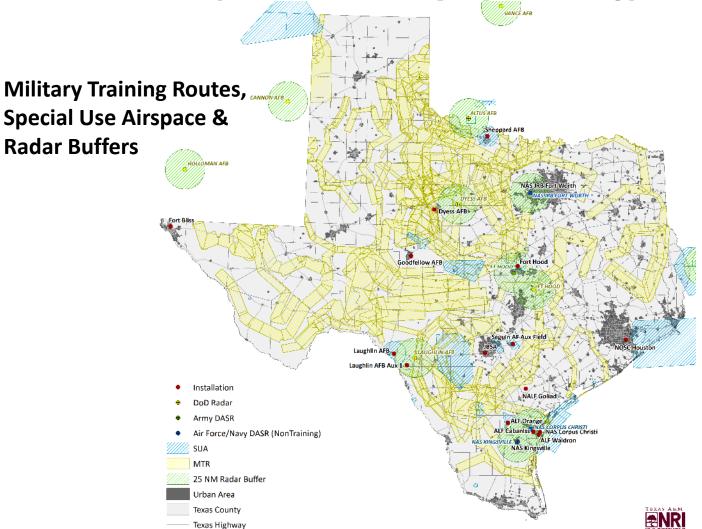
Notional Map (For illustration purposes only)





Notional Map

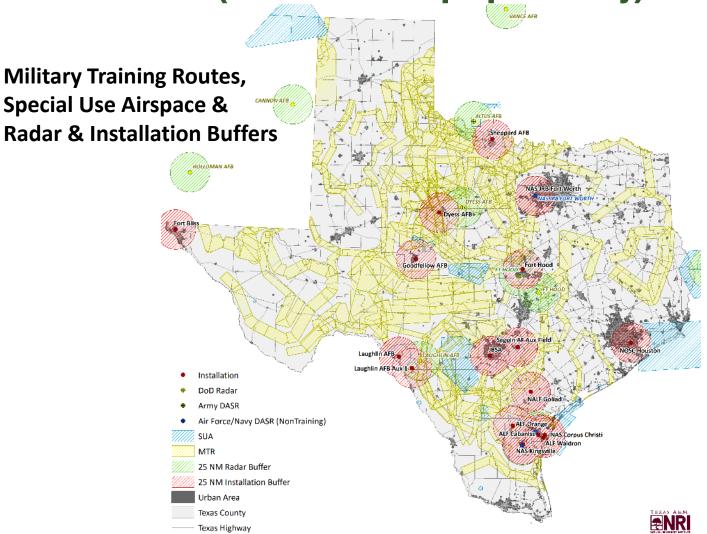
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Notional Map

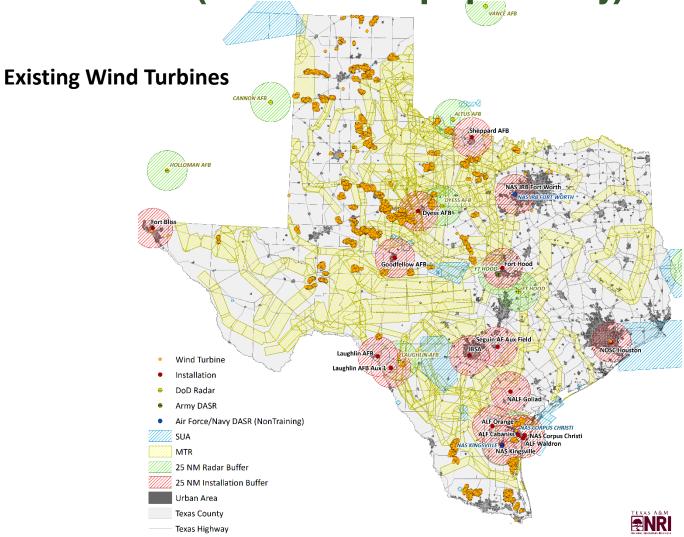
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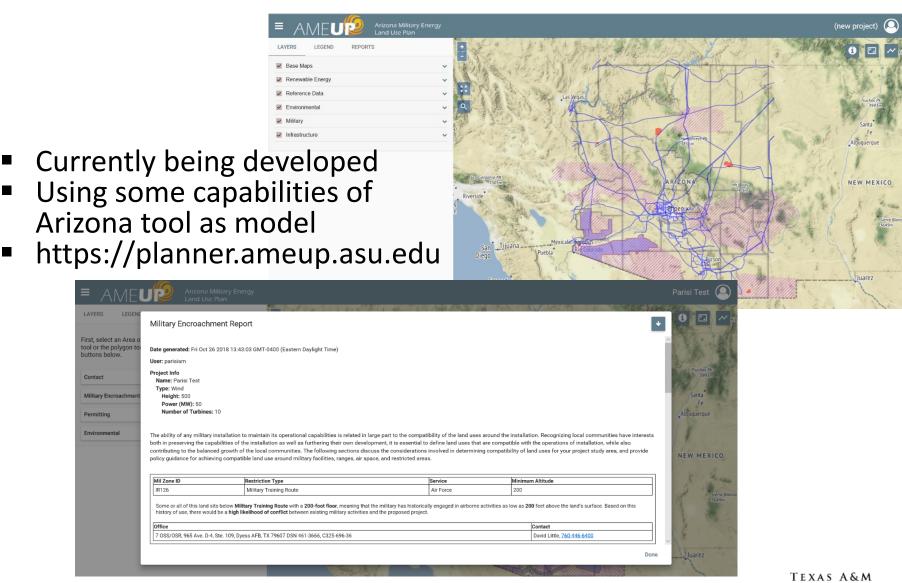
Notional Map

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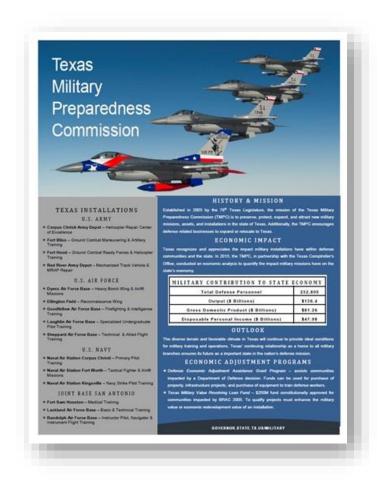


Web-based Mapping Portal



Use of "Good Map" for Collaborative Planning

- TxMAP data gathering and review will require coordination. Key <u>aspect</u> to the success of project...
 - Texas Military Commanders
 Council
 - Texas Military Preparedness
 Commission
 - Local Communities
 - Industry
 - Other Key Partners





Next Steps

Military Summit	Present project update/preliminary findings. Listening sessions for community stakeholders	JAN 28, 2019
Draft Wind Energy Report	Draft report for review and input. Address comments/concerns and submit for final review.	FEB 2019
Final Wind Energy Report	Complete and submit final report to include geospatial maps.	MAR 2019
Draft Web-based Mapping Portal	Draft web-based mapping service to interactively display content from Statewide Assessment. Integrate changes based on sponsor feedback.	MAR-OCT 2019
Draft Statewide Assessment Report	Draft report for initial review and input. Address comments/concerns and submit for final review.	MAR-OCT2019
Final Web-based Mapping Portal	Complete final changes to mapping portal. Maintain and update website as needed.	NOV 2019
Final State-wide Assessment Report	Complete and submit final report to include geospatial maps.	NOV 2019



We Will Continue to Engage With All Stakeholders Throughout The Process!

http://nri.tamu.edu/

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